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SEQ ID NO: 2	1	TRRKYPTRFDLTLEFFSRRKPRAKAPTTPVMSAAVGGAEFHGRGGGAAQLQSRM	60
SEQ ID NO: 4	M	-----TTSFG-----PATSAPLKD--KVQIPSEHGLRSSASALPRNA	
SEQ ID NO: 6		-----	
SEQ ID NO: 7		-----MSGAIGGAEVHGFRGA---AAQLPRSRV	
SEQ ID NO: 8	M	-----TTSFG-----AAINIAVADDPNPKLQIHNFSGLKSTSNLLSRR	
SEQ ID NO: 2	61	120	
SEQ ID NO: 4		LGRPLRVATPHAAAPAGGGSSASIRAVSAPLKKDASEVKRSKVEIIKEKSNFLRYPLN	
SEQ ID NO: 6		LSLP---SSTR-----SLSLIRAVSTPAQSETATVKRSKVEIFKEQSNFIRYPLN	
SEQ ID NO: 7		-----	
SEQ ID NO: 8		LGRPIRVAPPAAARP---GGASAGSIRAVSAPAKKDASEVKRSKVEIIKEKSNFLRYPLN	
		LHVFSQSFSPN-----PSSIIVRAVSTPAKPAAVEPKRSKVEIFKEQSNFIRYPLN	
SEQ ID NO: 2	121	180	
SEQ ID NO: 4		EELVSEAPNINDSAVQLIKFHGSYQQTDRDVRGQKNYSFMLRTKNPCGKVPNQLYLAMDT	
SEQ ID NO: 6		EDILTDAPNISEAATQLIKFHGSYQQYNREERGSRYSFMI RTKNPCGKVSQLYLTMD	
SEQ ID NO: 7		-----	
SEQ ID NO: 8		EELVSEAPNINESAVQLIKFHGSYQQTDRDVRGQKNYSFMLRTKNPCGKVPNQLYLAMDT	
		EEILNDAPNINEAATQLIKFHGSYMQYDRDERGGRYSFMLRTKNPGGEVFNRLYLVMD	
SEQ ID NO: 2	181	240	
SEQ ID NO: 4		LADQFGIGTLRLTTRQTFQLHGVLKKNLKTIVSTVIKNMGSSLGACGDLNRNVLAPAAPY	
SEQ ID NO: 6		LADQFGIGTLRLTTRQTFQLHGVLKKNLKTVMGTIIRNMGSTLGACGDLNRNVLAPAAPL	
SEQ ID NO: 7		-----	
SEQ ID NO: 8		LADQFGIGTLRLTTRQTFQLHGVLKKNLKTIVSTVIKNMGSTLGACGDLNRNVLAPAAPY	
		LADQFGIGTLRLTTRQTFQLHGVLKKNLKTVMSTIIRNMGSTLGACGDLNRNVLAPAAPF	

FIG. 1A

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241          300
SEQ ID NO: 2 VRKDILFAQETAENIAALLTPQSGAYYDLWVDGEKIMSAEPEVTKARNDNTYGTNFPD
SEQ ID NO: 4 ARKDYLFQAQQTAEENIAALLAPQSGFYDIWVDGEKILTSE-PPEVVQARNDNSHGTNFPD
SEQ ID NO: 6 -----
SEQ ID NO: 7 VKKDILFAQQTAEENIAALLTPQSGAYYDLWVDGEKIMSAEPEVTKARNDNSHGTNFPD
SEQ ID NO: 8 AKKDYMFQAKQTADNIAALLTPQSGFYDVWVDGEKVMTAE-PPEVVQARNDNSHGTNFPD

301          360
SEQ ID NO: 2 SPEPIYGTQYLPRKFKIAVTVAGDNSVDILTNDIGVVVSDSAGEPVGFNIYVGGGMGR
SEQ ID NO: 4 SPEPIYGTQFLPRKFKIAVTPTDNSVDILTNDIGVVVTDDDGEPQGFNIYVGGGMGR
SEQ ID NO: 6 -----
SEQ ID NO: 7 SPEPIYGTQYLPRKFKVAVTAAGDNSVDILTNDIGVVVSDDAGEPIGFNIYVGGGMGR
SEQ ID NO: 8 SPEPIYGTQFLPRKFKIAVTPTDNSVDIFTNDIGVVVSNEDGEPQGFNIYVGGGMGR

361          420
SEQ ID NO: 2 HRVETTFPRLADPLGYVPKEDILYAIKAI VVTQRENGRRDRRYSRMKYLI DNWGIEKFR
SEQ ID NO: 4 HRLETFPRLAEPICYVPKEDILYAVKAI VVTQRENGRRDRRYSRLKYL ISSWGIEKFR
SEQ ID NO: 6 -----AI VVTQRENGRRDRRYSRLKYL LDSWGIDKFR
SEQ ID NO: 7 HRVETTFPRLADPLGYVPKEDILYAIKAI VVTQRENGRRDRRYSRMKYMI DRWGIDRFR
SEQ ID NO: 8 HRMETTFPRLAEPICYVPKEDILYAVKAI VVTQRENGRRDRRYSRLKYL LSSWGIEKFR

421          480
SEQ ID NO: 2 AEVEKYGKKFFEDSRPLPEWQFNSYLGWQEQDGKLFYGVHVDNGRVAGQAKKTLREIIE
SEQ ID NO: 4 SVVEQYGGKKFFEPFRALPEWEFKSYLGWHEQDGKLFYGLHVDNGRIGGNMKTTLREVIE
SEQ ID NO: 6 AEAEKYGKKFFEDFRPLPEWQFNSYLGWQEQDGKLFYGVHVDNGRGLGGQAKKTLREIIE
SEQ ID NO: 7 AEVEKYGKKFFESFRPLPEWQFNSYLGWQEQDGKLFYGVHVDNGRVGGQAKKTLREIIE
SEQ ID NO: 8 SVTEQYGGKKFQPCRELPEWEFKSYLGWHEAGDGS LFCGLHVDNGRVKGAMKKALREVIE
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FIG. 1B

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SEQ ID NO: 2	481	KYNLEVSITPNQNILCGIDQAWKDPITAAQAQSGLLLEPKDVPDLNITSMACPALPLCPL	540
SEQ ID NO: 4		KYNLNVIRITPNQNIILTDVRAAWKRPIITTLAQAGLLQPRFVDPLNITAMACPAFPLCPL	
SEQ ID NO: 6		KYSLDVSITPNQNILCGVDQAWREPITAAQAQAGLLEPKDVDLLNITSMACPALPLCPL	
SEQ ID NO: 7		KYNLDVSITPNQNILCGIDQAWREPITTLAQAGLLEPKDVPDLNLTAMACPALPLCPL	
SEQ ID NO: 8		KYNLNVRLTPNQNIILCNIRQAWKRPIITVLAQGGLLQPRYVDPLNLTAMACPALPLCPL	
SEQ ID NO: 2	541	AQTEAERGILPILKRIRAVFDKVGIKDHESVVVRITGCPNGCARPYMAEVGVGDGPNYS	600
SEQ ID NO: 4		AI TEAERGIPNILKRIRDVFDKVG LKYSESVVVRITGCPNGCARPYMAELGLVGDGPNYS	
SEQ ID NO: 6		AQTEAERGILPILKRIRAVFDKVG IKDEESVVVRITGCPNGCARPYMAEVGVGDGPNYS	
SEQ ID NO: 7		AQTEAERGILPILKRIRAVFNKVG IKDSESVVVRITGCPNGCARPYMAELGVGDGPKSY	
SEQ ID NO: 8		AI TEAERGIPDILKRVRAIFERVGLKYSESVVIRITGCPNGCARPYMAELGLVGDGPNYS	
SEQ ID NO: 2	601	QIWLGGTPNQSTLAETFMNKVKLQDIEKVL EPLFSYWNSTRQEGESFGSFTRRTGFDK LK	660
SEQ ID NO: 4		QIWLGGNHKQTSLARSFMDRVKILDL EKVL EPLFYFWKQKRQSKESFGDFTNRMGFEK LK	
SEQ ID NO: 6		QIWLGGTPNQSTLAETFMNKVKLQDIEKVL EPLFSYWNSTRQEGESFGSFTNRMGFEQ LK	
SEQ ID NO: 7		QIWLGGTPNQSTLAESFMDKVKLDDIEKVL EPLFTYWNSTRQEGESFGSFTNRTGFDK LK	
SEQ ID NO: 8		QIWLGGTPNQSTLAKTFKDKLVQDLEKVL EPLFFHWRKRQSKESFGDFTNRMGFEK LK	

FIG. 1C

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661	720	
SEQ ID NO: 2	EVNKAESASAA-----	
SEQ ID NO: 4	EYIEKWEGPVVAPSRHNLKLFADKETYESMDALAKLQNKTAHQ LAMEVIRNYVASNQNGK	
SEQ ID NO: 6	EVNKAESASAA-----	
SEQ ID NO: 7	EVNKAESPSAA-----	
SEQ ID NO: 8	EFVEKWEGIPESSRYNLKLFADRETYEAMDALASIQDKNAHQ LAIEVVRNYVASQQNGK	
721		
SEQ ID NO: 2	---	
SEQ ID NO: 4	G-E	
SEQ ID NO: 6	---	
SEQ ID NO: 7	---	
SEQ ID NO: 8	SMD	

FIG. 1D